

Setting procedure of the TS90 temporary stope support system.

1.
The TS90 temporary stope support system comprises of a load spreader headboard an adjustable inner tube with an attached locking pin a hydraulic jack section on top of a swivel footpiece .
2.
Prior to installing the TS 90 temporary support system, examine the roof and bar down where necessary. Make safe according to your mine's standard.
3.
Make certain that the TS 90's are installed onto a solid floor.
4.
Mark the position of the prop to be installed.
5.
Ensure that the release valve of the prop is tightly closed prior to installation.
6.
Lift the prop and extend the inner tube to the required length.
7.
When fully extended place the adjusting pin through the inner pipe into the lowest pin hole from the release direction.
8.
Ensure that the prop handle faces 90 degrees inwards and that the hydraulic jack faces the release position.
9.
Connect the jacking handle to the prop.
10.
Whilst keeping the prop steady, pump and keep raising the inner tube until the loadspreader makes contact with the roof.
11.
The headboard is to be aligned to suit fracture orientation
12.
Pump the jacking handle repeatedly until the prop is tight.
13.
The TS 90 prop is now correctly installed

14.

It is important that the TS 90 hydraulic –mechanical prop system be installed according to your mines' standard.

15.

Once installed, all further activities can be performed under the protection of the TS 90 props.

Remote removal of the TS 90 temporary hydraulic-mechanical prop.

1.

The remote release tool and sling allows the TS 90 temporary support system to be remotely released and recovered from a safe position.

2.

This protects workers should a rockfall occur during the removal of the prop.

3.

Attach the remote release tool to the valve of the hydraulic jack. Ensure that it fits securely and is angled past the upright prop.

4.

Loop and hook the short length of chain around the carrying handle.

6.

Move to a safe supported area.

7.

Take up any cable slack

8.

Jerk the release cable firmly.

9.

The release tool is pulled over releasing pressure within the jack.

10.

The TS90 prop must never be removed without utilising the remote release sling.